



- 1 -

SEQUENCE LISTING

<110> Lin, Biaoyang

<120> Prostate-Specific Polypeptide PAMP and  
Encoding Nucleic Acid Molecules

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<140> US 09/729,653

<141> 2000-12-04

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<221> misc\_feature

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Ser	Arg	Ser	Gly	Ser	Ser	Val	Glu	Met	Lys	Arg	Ile	Phe	Ser	Leu	Leu	
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Cys	Val	Ala	Met	Asp	Trp	Asp	Lys	Asp	Gly	Asp	Val	Leu	Ala	Val	Ile		
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Gln	Phe	Phe	Leu	Met	Lys	Met	Asp	Asp	Arg	Thr	Ser	Ala	Ala	Glu	Ser		
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Asn	Glu	Pro	Asp	Asn	Pro	Ala	Asp	Leu	Glu	Phe	Gln	Gln	Asp	Phe	Gly		
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Phe	Ser	Cys	Gly	His	Phe	Val	Val	Ile	Ser	Thr	His	Thr	Gly	Glu	Leu		

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att gca gta tca cag act ctt aac aaa gtt gct aca tgt gga gat aac			1008
Ile Ala Val Ser Gln Thr Leu Asn Lys Val Ala Thr Cys Gly Asp Asn			
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Cys Ile Lys Ile Gln Asp Leu Val Asp Leu Lys Asp Met Tyr Val Ile			
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Asp Asp Gly Gln Leu Leu Ala Leu Ser Thr Gln Arg Gly Ser Leu His			
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Val Phe Leu Thr Lys Leu Pro Ile Leu Gly Asp Ala Cys Ser Thr Arg			
	385	390	400
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Ile Ala Tyr Leu Thr Ser Leu Leu Glu Val Thr Val Ala Asn Pro Val			
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Glu Gly Glu Leu Pro Ile Thr Val Ser Val Asp Val Glu Pro Asn Phe			
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Val Ala Val Gly Leu Tyr His Leu Ala Val Gly Met Asn Asn Arg Ala			
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Glu Tyr Leu Gly Thr Val Ala Ser Ile Cys Leu His Ser Asp Tyr Ala			
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gct gca ctt ttt gaa ggc aaa gtc cag tta cat ttg ata gaa agc gaa			1488
Ala Ala Leu Phe Glu Gly Lys Val Gln Leu His Leu Ile Glu Ser Glu			
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Ile Leu Asp Ala Gln Glu Glu Arg Glu Thr Arg Leu Phe Pro Ala Val			
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Asp Phe Ser Pro Thr Ile Lys Gly Val Leu Trp Glu Asn Trp Pro Met	
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Asp Lys Gly Val Phe Ile Ala Tyr Asp Asp Asp Lys Val Tyr Thr Tyr	
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Val Phe His Lys Asp Thr Ile Gln Gly Ala Lys Val Ile Leu Ala Gly	
625 630 635 640	
agc acc aaa gtt cct ttt gct cat aaa cct ttg ctg cta tat aat gga	1968
Ser Thr Lys Val Pro Phe Ala His Lys Pro Leu Leu Leu Tyr Asn Gly	
645 650 655	
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Glu Leu Thr Cys Gln Thr Gln Ser Gly Lys Val Asn Asn Ile Tyr Leu	
660 665 670	
agc acc cat ggc ttt ctc agc aac tta aaa gat asg ggg cct gac gaa	2064
Ser Thr His Gly Phe Leu Ser Asn Leu Lys Asp Xaa Gly Pro Asp Glu	
675 680 685	
ctg aga cca atg ctg gca cac aat tta atg cta aag agg ttt tct gat	2112
Leu Arg Pro Met Leu Ala His Asn Leu Met Leu Lys Arg Phe Ser Asp	
690 695 700	
gct tgg gaa atg tgc agg att ctg aat gat gag gct gcc tgg aat gag	2160
Ala Trp Glu Met Cys Arg Ile Leu Asn Asp Glu Ala Ala Trp Asn Glu	
705 710 715 720	

ttg gcc aga gct tgt cta cat cac atg gaa gtg gag ttt gca atc cgt	2208
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Val Tyr Arg Arg Ile Gly Asn Val Gly Ile Val Met Ser Leu Glu Gln	
740 745 750	
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Ile Lys Gly Ile Glu Asp Tyr Asn Leu Leu Ala Gly His Leu Ala Met	
755 760 765	
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770 775 780	
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Cys Pro Ile Ala Ala Leu Glu Met Arg Arg Asp Leu Gln His Trp Asp	
785 790 795 800	
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Ser Ala Leu Gln Leu Ala Lys His Leu Ala Pro Asp Gln Ile Pro Phe	
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Ile Ser Lys Glu Tyr Ala Ile Gln Leu Glu Phe Ala Gly Asp Tyr Val	
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Asn Ala Leu Ala His Tyr Glu Lys Gly Ile Thr Gly Asp Asn Lys Glu	
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His Asp Glu Ala Cys Leu Ala Gly Val Ala Gln Met Ser Ile Arg Met	
850 855 860	
gga gac ata cgt cga ggg gtt aac caa gcc ctc aag cat ccc agc agg	2640
Gly Asp Ile Arg Arg Gly Val Asn Gln Ala Leu Lys His Pro Ser Arg	
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gtc ctt aaa aga gac tgt gga gcc ata ttg gag aat atg aag caa ttt	2688
Val Leu Lys Arg Asp Cys Gly Ala Ile Leu Glu Asn Met Lys Gln Phe	
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Ser Glu Ala Ala Gln Leu Tyr Glu Lys Gly Leu Tyr Tyr Asp Lys Ala	
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gca tct gtt tac atc cgc tct aag aat tgg gca aaa gtt ggt gat ctt	2784
Ala Ser Val Tyr Ile Arg Ser Lys Asn Trp Ala Lys Val Gly Asp Leu	
915 920 925	
ctg ccc cac gtt tct tct cct aag atc cat ttg cag tat gcc aaa gcc	2832

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aag gaa gca gat gga aga tac aaa gaa gct gtt gta gct tat gaa aat	2880
Lys Glu Ala Asp Gly Arg Tyr Lys Glu Ala Val Val Ala Tyr Glu Asn	
945 950 955 960	
gca aaa cag tgg caa agt gta atc cgc atc tat ctg gat cac ctc aat	2928
Ala Lys Gln Trp Gln Ser Val Ile Arg Ile Tyr Leu Asp His Leu Asn	
965 970 975	
aat cct gaa aaa gct gtc aat att gtt aga gag acc cag tct ctg gat	2976
Asn Pro Glu Lys Ala Val Asn Ile Val Arg Glu Thr Gln Ser Leu Asp	
980 985 990	
gga gcc aaa atg gta gcc agg ttt ttt cta cag ctt ggt gac tat ggg	3024
Gly Ala Lys Met Val Ala Arg Phe Phe Leu Gln Leu Gly Asp Tyr Gly	
995 1000 1005	
tct gcc atc cag ttt ctt gtc atg tcc aaa tgc aac aat gaa gct ttc	3072
Ser Ala Ile Gln Phe Leu Val Met Ser Lys Cys Asn Asn Glu Ala Phe	
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Thr Leu Ala Gln Gln His Asn Lys Met Glu Ile Tyr Ala Asp Ile Ile	
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Gly Ser Glu Asp Thr Thr Asn Glu Asp Tyr Gln Ser Ile Ala Leu Tyr	
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Phe Glu Gly Glu Lys Arg Tyr Leu Gln Ala Gly Lys Phe Phe Leu Leu	
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1125 1130 1135	
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ccc gat ata tct gag ata gaa gag gcc acg act cca tgt cca ttc tgc Pro Asp Ile Ser Glu Ile Glu Glu Ala Thr Thr Pro Cys Pro Phe Cys 1285	1290	1295	3888
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                   20                  25                  30  
 Ser Arg Ser Gly Ser Ser Val Glu Met Lys Arg Ile Phe Ser Leu Leu  
                   35                  40                  45  
 Glu Lys Thr Trp Leu Gly Ala Pro Ile Gln Phe Ala Trp Gln Lys Thr  
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 Ser Gly Asn Tyr Leu Ala Val Thr Gly Ala Asp Tyr Ile Val Lys Ile  
   65                  70                  75                  80  
 Phe Asp Arg His Gly Gln Lys Arg Ser Glu Ile Asn Leu Pro Gly Asn  
                   85                  90                  95  
 Cys Val Ala Met Asp Trp Asp Lys Asp Gly Asp Val Leu Ala Val Ile  
                   100                  105                  110  
 Ala Glu Lys Ser Ser Cys Ile Tyr Leu Trp Asp Ala Asn Thr Asn Lys  
                   115                  120                  125  
 Thr Ser Gln Leu Asp Asn Gly Met Arg Asp Gln Met Ser Phe Leu Leu  
                   130                  135                  140  
 Trp Ser Lys Val Gly Ser Phe Leu Ala Val Gly Thr Val Lys Gly Asn  
   145                  150                  155                  160  
 Leu Xaa Ile Tyr Asn His Gln Thr Ser Arg Lys Ile Pro Val Leu Gly  
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 Lys His Thr Lys Arg Ile Thr Cys Gly Cys Trp Asn Ala Glu Asn Leu  
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 Xaa Ala Leu Gly Gly Glu Asp Lys Met Ile Thr Val Ser Asn Gln Glu  
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Gly	Asp	Thr	Ile	Arg	Gln	Thr	Gln	Val	Arg	Ser	Glu	Pro	Xaa	Asn	Met
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Asn	Ile	Val	Cys	Tyr	Asn	Trp	Tyr	Gly	Asp	Gly	Arg	Ile	Met	Ile	Gly
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Ile	Ala	Val	Ser	Gln	Thr	Leu	Asn	Lys	Val	Ala	Thr	Cys	Gly	Asp	Asn
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Cys	Ile	Lys	Ile	Gln	Asp	Leu	Val	Asp	Leu	Lys	Asp	Met	Tyr	Val	Ile
			340					345				350			
Leu	Asn	Leu	Asp	Glu	Glu	Asn	Lys	Gly	Leu	Gly	Thr	Leu	Ser	Trp	Thr
		355					360					365			
Asp	Asp	Gly	Gln	Leu	Leu	Ala	Leu	Ser	Thr	Gln	Arg	Gly	Ser	Leu	His
370					375						380				
Val	Phe	Leu	Thr	Lys	Leu	Pro	Ile	Leu	Gly	Asp	Ala	Cys	Ser	Thr	Arg
385					390					395					400
Ile	Ala	Tyr	Leu	Thr	Ser	Leu	Leu	Glu	Val	Thr	Val	Ala	Asn	Pro	Val
				405					410					415	
Glu	Gly	Glu	Leu	Pro	Ile	Thr	Val	Ser	Val	Asp	Val	Glu	Pro	Asn	Phe
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Val	Ala	Val	Gly	Leu	Tyr	His	Leu	Ala	Val	Gly	Met	Asn	Asn	Arg	Ala
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Trp	Phe	Tyr	Val	Leu	Gly	Glu	Asn	Ala	Val	Lys	Lys	Leu	Lys	Asp	Met
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Glu	Tyr	Leu	Gly	Thr	Val	Ala	Ser	Ile	Cys	Leu	His	Ser	Asp	Tyr	Ala
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Ala	Ala	Leu	Phe	Glu	Gly	Lys	Val	Gln	Leu	His	Leu	Ile	Glu	Ser	Glu
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Ile	Leu	Asp	Ala	Gln	Glu	Glu	Arg	Glu	Thr	Arg	Leu	Phe	Pro	Ala	Val
			500					505					510		
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Trp	Gln	Phe	Val	Asn	Asp	Tyr	Arg	His	Pro	Val	Ser	Val	Lys	Lys	Ile
545					550					555					560
Phe	Pro	Asp	Pro	Asn	Gly	Thr	Arg	Leu	Val	Phe	Ile	Asp	Glu	Lys	Ser
				565				570						575	
Asp	Gly	Phe	Val	Tyr	Cys	Pro	Val	Asn	Asp	Ala	Thr	Tyr	Glu	Ile	Pro
			580					585					590		
Asp	Phe	Ser	Pro	Thr	Ile	Lys	Gly	Val	Leu	Trp	Glu	Asn	Trp	Pro	Met
		595					600					605			
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Val	Phe	His	Lys	Asp	Thr	Ile	Gln	Gly	Ala	Lys	Val	Ile	Leu	Ala	Gly

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Ser Thr Lys Val	Pro Phe Ala His Lys	Pro Leu Leu Leu Tyr	Asn Gly			
	645	650	655			
Glu Leu Thr Cys	Gln Thr Gln Ser Gly Lys Val	Asn Asn Ile Tyr	Leu			
	660	665	670			
Ser Thr His Gly	Phe Leu Ser Asn Leu Lys Asp Xaa Gly	Pro Asp Glu				
	675	680	685			
Leu Arg Pro Met	Leu Ala His Asn Leu Met Leu Lys Arg	Phe Ser Asp				
	690	695	700			
Ala Trp Glu Met	Cys Arg Ile Leu Asn Asp Glu Ala Ala Trp	Asn Glu				
705	710	715	720			
Leu Ala Arg Ala	Cys Leu His His Met Glu Val Glu Phe Ala	Ile Arg				
	725	730	735			
Val Tyr Arg Arg	Ile Gly Asn Val Gly Ile Val Met Ser	Leu Glu Gln				
	740	745	750			
Ile Lys Gly Ile	Glu Asp Tyr Asn Leu Leu Ala Gly His	Leu Ala Met				
	755	760	765			
Phe Thr Asn Asp	Tyr Asn Leu Ala Gln Asp Leu Tyr Leu Ala	Ser Ser				
	770	775	780			
Cys Pro Ile Ala	Ala Leu Glu Met Arg Arg Asp Leu Gln His	Trp Asp				
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Ser Ala Leu Gln	Leu Ala Lys His Leu Ala Pro Asp Gln	Ile Pro Phe				
	805	810	815			
Ile Ser Lys Glu	Tyr Ala Ile Gln Leu Glu Phe Ala Gly	Asp Tyr Val				
	820	825	830			
Asn Ala Leu Ala	His Tyr Glu Lys Gly Ile Thr Gly Asp	Asn Lys Glu				
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His Asp Glu Ala	Cys Leu Ala Gly Val Ala Gln Met Ser	Ile Arg Met				
	850	855	860			
Gly Asp Ile Arg	Arg Gly Val Asn Gln Ala Leu Lys His	Pro Ser Arg				
865	870	875	880			
Val Leu Lys Arg	Asp Cys Gly Ala Ile Leu Glu Asn Met	Lys Gln Phe				
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Ser Glu Ala Ala	Gln Leu Tyr Glu Lys Gly Leu Tyr Tyr	Asp Lys Ala				
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Ala Ser Val Tyr	Ile Arg Ser Lys Asn Trp Ala Lys Val	Gly Asp Leu				
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Leu Pro His Val	Ser Ser Pro Lys Ile His Leu Gln Tyr	Ala Lys Ala				
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Lys Glu Ala Asp	Gly Arg Tyr Lys Glu Ala Val Val Ala Tyr	Glu Asn				
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Ala Lys Gln Trp	Gln Ser Val Ile Arg Ile Tyr Leu Asp	His Leu Asn				
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Ser Ala Ile Gln	Phe Leu Val Met Ser Lys Cys Asn Asn	Glu Ala Phe				
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Gly Ser Glu Asp	Thr Thr Asn Glu Asp Tyr Gln Ser	Ile Ala Leu Tyr				
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Glu	Asn	Asp	Gly	Met	Pro	Lys	Asp	Ala	Lys	Tyr	Leu	Phe	Arg	Leu	Tyr
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Trp	Thr	Val	Cys	Pro	His	Cys	Asp	Phe	Pro	Ala	Leu	Tyr	Ser	Glu	Leu
	1330					1335				1340					
Lys	Ile	Met	Leu	Asn	Thr	Glu	Ser	Thr	Cys	Pro	Met	Cys	Ser	Glu	Arg
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Leu	Asn	Ala	Ala	Gln	Leu	Lys	Lys	Ile	Ser	Asp	Cys	Thr	Gln	Tyr	Leu
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